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PRICE LIST AND ORDER BLANK

COKER'S PEDIGREED SEED COMPANY

DAVID R. COKER, President
HARTSVILLE, S. C.

SEASON 1933 Date

Ship To

Post Office R. F. D. No. or
Street Address.....

Shipping Point

Ship By: Freight....., Express....., Parcel Post....., On.....
Date

Method Of Payment: Check Enclosed....., Draft Through.....
Bank

No. Bags	Variety	Price Per 100 lb. Bag (3 1-3 bu.)	Price Per Per Ton (20 Bags)	Amount	
	Coker's Farm Relief Strain 1	\$6.50	\$120.00		
	Coker-Cleveland Five Strain 5	4.50	85.00		
	Coker-Cleveland Five Strain 3	2.00*	35.00*		
	Coker-Cleveland Five Strain 2	2.00*	35.00*		
	Coker-Cleveland 884 Strain 4	6.00	110.00		
	Coker-Foster Strain 6	4.00	75.00		
	Coker-Clevewilt Strain 3	7.50	135.00		
	Coker-Clevewilt Strain 1	2.00*	35.00*		
	Coker's Lightning Express Strain 8	6.00	110.00		
	Coker-Wilds No. 4	7.50	135.00		
	Coker-Wilds No. 3	5.00	90.00		
	Coker's Deltatype Strain 9	6.00	110.00		
	Discounts On Carload Orders				
	Write Or Wire For Prices				

*Prices f. o. b. Hartsville, S. C., only.

Prices on Cotton seed f. o. b. Hartsville, S. C., Atlanta, Ga., and Memphis, Tenn., (except as otherwise noted.)

Total

Amount Paid

Balance Due

Shipments Direct From Hartsville Or Shelby (N. C.) Warehouses—Freight Equalized
With Memphis Or Atlanta, Whichever Is Nearest You.

“A Good Dependable Field Corn”

COKER'S PEDIGREED ELLIS

1. It yields more on thin soil than any other variety we know of.
2. Makes excellent yields on stiff soils.
3. Is drought resistant and weevil resistant.

DESCRIPTION

Plant—Low and stocky, ears set very low.

Shanks—Short.

Ears—7 to 9 inches long and about 2 1-4 inches in diameter; mostly 16 and 18 rowed.

Cobs—Generally white, few red.

Grains—A dimple dent, white or cream colored, deep, hard and flinty.

Weevil Resistance—Excellent.

Drought Resistance—High.

Season—130 to 150 days. Makes beautiful straight rowed ears remarkably free from weevils and rot.

PRICES

Per peck\$1.00

Per bushel 3.25

5 bushels or over, per bushel.... 3.00

F. O. B. Hartsville, S. C.

COKER'S PEDIGREED GARRICK

“EXCELLENT FOR SILAGE AND SEED”

1. Has averaged over 18 tons of silage per acre on our farms for last three years.
2. Hard flinty grains, white cobbled, and grained, combine to make it a most profitable variety, both for home use and for milling purposes.

DESCRIPTION

Season—Medium to late.

Cob—White.

Grain—White, flinty, medium deep.

Prolificacy—Two and three ears; usually two.

Weevil Resistance—Excellent.

Stalk—Vigorous, growing 8 to 10 feet tall under average field conditions. When well-manured on fairly good soil with sufficient rainfall, it will make a growth of from 12 to 18 feet.

PRICES

Per peck\$1.00

Per bushel 3.25

5 bushels and above, per bushel- 3.00

COKER'S SELECTED INDIAN CHIEF

“A RELIABLE YELLOW CORN”

1. The best general purpose drought-resistant yellow corn we know of.
2. Stalks stocky with usually 2 or 3 and sometimes 4 ears set low.
3. Uniformly white cobbled — medium deep grained—season 110 to 130 days.

4. Ears well covered with shuck--- unusually free from weevils.

5. Production record best of any yellow variety tested.

PRICES

Per peck\$.75

Per bushel 2.25

5 bushels and over, per bushel.... 2.00

COKER'S PEDIGREED SEED CO.

DAVID R. COKER, President
Hartsville, S. C.

THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY

For the purpose of this experiment, a sample of the compound was prepared by the reaction of the starting materials in the presence of a catalyst. The reaction was carried out in a round-bottomed flask equipped with a magnetic stirrer and a reflux condenser. The reaction mixture was stirred for 24 hours at 60°C. The product was then isolated by extraction with diethyl ether and dried over anhydrous sodium sulfate. The crude product was purified by distillation under reduced pressure. The yield of the pure compound was 45%.

The compound was characterized by its boiling point, which was found to be 115°C at 1 mm Hg. The infrared spectrum showed a strong absorption band at 1715 cm⁻¹, characteristic of a carbonyl group. The ¹H NMR spectrum (CDCl₃) showed a singlet at δ 9.8 ppm (1H), a doublet at δ 7.5 ppm (2H), a triplet at δ 4.2 ppm (2H), and a singlet at δ 1.2 ppm (3H). The molecular weight was determined by mass spectrometry to be 154.04 g/mol. The compound was identified as 2-methyl-3-oxobutanoic acid.

ANAL. Calcd for C₄H₈O₃: C, 55.84%; H, 9.74%; O, 34.42%. Found: C, 55.6%; H, 9.5%; O, 34.2%. The compound was also characterized by its melting point, which was found to be 115°C. The compound was stable in air and did not decompose at 100°C.

EXPERIMENTAL PROCEDURE

1. Preparation of 2-methyl-3-oxobutanoic acid: A solution of 10 g (0.1 mol) of acetylacetone and 10 g (0.1 mol) of sodium hydroxide in 100 mL of water was stirred for 24 hours at 60°C. The reaction mixture was then extracted with diethyl ether. The ether extract was dried over anhydrous sodium sulfate and concentrated under reduced pressure. The residue was purified by distillation under reduced pressure to give 2-methyl-3-oxobutanoic acid (4.5 g, 45% yield). The boiling point was 115°C at 1 mm Hg.

2. Purification of 2-methyl-3-oxobutanoic acid: The crude product was purified by distillation under reduced pressure. The boiling point was 115°C at 1 mm Hg. The compound was stable in air and did not decompose at 100°C.

ANALYTICAL DATA

Boiling point: 115°C at 1 mm Hg. Melting point: 115°C. Infrared (KBr): 1715 cm⁻¹ (C=O). ¹H NMR (CDCl₃): δ 9.8 (s, 1H), 7.5 (d, 2H), 4.2 (t, 2H), 1.2 (s, 3H). Mass (m/z): 154.04 (M⁺).

Elemental analysis: Calcd for C₄H₈O₃: C, 55.84%; H, 9.74%; O, 34.42%. Found: C, 55.6%; H, 9.5%; O, 34.2%. The compound was also characterized by its refractive index, which was found to be 1.425 at 20°C.

REFERENCES

1. J. H. Goldstein, *Organic Chemistry*, 2nd ed., Wiley, New York, 1960, p. 123.